RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/728,679A
Source: IFW0
Date Processed by STIC: 10-28-04

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RAW SEQUENCE LISTING DATE: 10/28/2004
PATENT APPLICATION: **US/10/728,679A** TIME: 15:42:01

Input Set : **A:\01012_1.ST25.txt**
Output Set: **N:\CRF4\10282004\J728679A.raw**

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      3 <110> APPLICANT: Colca, Jerry
      5 <120> TITLE OF INVENTION: MitoNEET POLYPEPTIDE FROM MITOCHONDRIAL MEMBRANES,
MODULATORS
      6       THEREOF, AND METHODS OF USING THE SAME
      8 <130> FILE REFERENCE: 01012/1
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/728,679A
C--> 10 <141> CURRENT FILING DATE: 2003-12-05
     10 <150> PRIOR APPLICATION NUMBER: 60/431,520
     11 <151> PRIOR FILING DATE: 2002-11-06
     13 <160> NUMBER OF SEQ ID NOS: 9
     15 <170> SOFTWARE: PatentIn version 3.2
     17 <210> SEQ ID NO: 1
     18 <211> LENGTH: 655
     19 <212> TYPE: DNA
     20 <213> ORGANISM: Bos taurus
     22 <400> SEQUENCE: 1
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     27 gctggaacag ctgcaattgg ttatctagct tacaaaagat tttatgttaa agatcatcgc    180
     29 aacaaatcta tggtaaaccc tcacatccag aaagataacc ccaaggtagt acatgctttt    240
     31 gatatggagg atttgggaga taaagctgtg tactgccgtt gttggaggtc caaaaagttc    300
     33 ccactatgtg atggatctca cacaaaacac aatgaagaaa ctggagacaa cgtgggacct    360
     35 ctgatcatta agaaaaaaga cacttaaatg gacagttttg atgctgcaaa ccaacttgtc    420
     37 atgatgtttc ctgattgctt aattagaatg actaccactt ccgtctaatt cacctgccct    480
     39 gggttctaga tgtgtggtaa actatagctt tcacattcac ggcatttgcc ttacacgtgg    540
     41 aaccattgtg gtgcacatct gttgaaacaa ggaaaaacaa aaaaccaatc tcatggcctg    600
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     46 <210> SEQ ID NO: 2
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     48 <212> TYPE: DNA
     49 <213> ORGANISM: Homo sapiens
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     56 acttccagtt ccagcgtacg agttgaatgg atcgcagcag ttaccattgc tgctgggaca    180
     58 gctgcaattg gttatctagc ttacaaaaga ttttatgtta aagatcatcg aaataaagct    240
     60 atgataaacc ttcacatcca gaaagacaac cccaagatag tacatgcttt tgacatggag    300
     62 gatttgggag ataaagctgt gtactgccgt tgttggaggt ccaaaaagtt cccattctgt    360
     64 gatggggctc acacaaaaca taacgaagag actggagaca atgtgggccc tctgatcatc    420
     66 aagaaaaaag aaacttaaat ggacactttt gatgctgcaa atcagcttgt cgtgaagtta    480
     68 cctgattgtt taattagaat gactaccacc tctgtctgat tcaccttcgc tggattctaa    540
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<211> LENGTH: 792
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catcggcctt gctactgaaa catgtggtgc acgtttgttg aaagaagaag aaaggctaaa 660
ccaacctcgt gctatatggg ttattttggt cttgtaagga tccgttcctt taaaataatg 720
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aaaaaaaaaa aa 792
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<213> ORGANISM: Bos taurus
<400> SEQUENCE: 4
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Ile Ala Ala Gly Thr Ala Ala Ile Gly Tyr Leu Ala Tyr Lys Arg Phe
20 25 30
Tyr Val Lys Asp His Arg Asn Lys Ser Met Ile Asn Pro His Ile Gln
35 40 45
Lys Asp Asn Pro Lys Val Val His Ala Phe Asp Met Glu Asp Leu Gly
50 55 60
Asp Lys Ala Val Tyr Cys Arg Cys Trp Arg Ser Lys Lys Phe Pro Leu
65 70 75 80
Cys Asp Gly Ser His Thr Lys His Asn Glu Glu Thr Gly Asp Asn Val
85 90 95
Gly Pro Leu Ile Ile Lys Lys Lys Asp Thr
100 105
<210> SEQ ID NO: 5
<211> LENGTH: 108
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
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1 5 10 15
Val Thr Ile Ala Ala Gly Thr Ala Ala Ile Gly Tyr Leu Ala Tyr Lys
20 25 30
Arg Phe Tyr Val Lys Asp His Arg Asn Lys Ala Met Ile Asn Leu His
35 40 45
Ile Gln Lys Asp Asn Pro Lys Ile Val His Ala Phe Asp Met Glu Asp

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165     50                  55                  60
168 Leu Gly Asp Lys Ala Val Tyr Cys Arg Cys Trp Arg Ser Lys Lys Phe
169 65                  70                  75                  80
172 Pro Phe Cys Asp Gly Ala His Thr Lys His Asn Glu Glu Thr Gly Asp
173                 85                  90                  95
176 Asn Val Gly Pro Leu Ile Ile Lys Lys Lys Glu Thr
177             100                 105
180 <210> SEQ ID NO: 6
181 <211> LENGTH: 108
182 <212> TYPE: PRT
183 <213> ORGANISM: Mus musculus
185 <400> SEQUENCE: 6
187 Met Gly Leu Ser Ser Asn Ser Ala Val Arg Val Glu Trp Ile Ala Ala
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191 Val Thr Phe Ala Ala Gly Thr Ala Ala Leu Gly Tyr Leu Ala Tyr Lys
192             20                  25                  30
195 Lys Phe Tyr Ala Lys Glu Asn Arg Thr Lys Ala Met Val Asn Leu Gln
196         35                  40                  45
199 Ile Gln Lys Asp Asn Pro Lys Val Val His Ala Phe Asp Met Glu Asp
200     50                  55                  60
203 Leu Gly Asp Lys Ala Val Tyr Cys Arg Cys Trp Arg Ser Lys Lys Phe
204 65                  70                  75                  80
207 Pro Phe Cys Asp Gly Ala His Ile Lys His Asn Glu Glu Thr Gly Asp
208                 85                  90                  95
211 Asn Val Gly Pro Leu Ile Ile Lys Lys Lys Glu Thr
212             100                 105
215 <210> SEQ ID NO: 7
216 <211> LENGTH: 19
217 <212> TYPE: PRT
218 <213> ORGANISM: Mus musculus
220 <400> SEQUENCE: 7
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223 1               5                   10                  15
226 Lys Val Val
230 <210> SEQ ID NO: 8
231 <211> LENGTH: 19
232 <212> TYPE: PRT
233 <213> ORGANISM: Mus musculus
235 <400> SEQUENCE: 8
237 Lys Asp Asn Lys Val Val His Ala Phe Asp Met Glu Asp Leu Gly Asp
238 1               5                   10                  15
241 Lys Ala Val
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246 <211> LENGTH: 21
247 <212> TYPE: PRT
248 <213> ORGANISM: Mus musculus
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253 1               5                   10                  15
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256 Lys Lys Lys Glu Thr
257 20

VERIFICATION SUMMARY DATE: 10/28/2004
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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date